Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
7th B cross	1	190.00	1.20	0.05	11.40			
12th B main	1	153.00	1.20	0.05	9.18			
4th B cross	1	165.00	1.20	0.05	9.90			
8th B main	1	70.00	1.20	0.05	4.20			
cross road	1	73.00	1.20	0.05	4.38			
6th B main	1	250.00	1.20	0.05	15.00			
Indira canteen road	1	412.00	1.20	0.05	24.72			
13th B main	1	422.00	1.20	0.05	25.32			
11th B cross	1	144.00	1.20	0.05	8.64			
Bad reaches	10	15.00	6.00	0.05	45.00			
Profile correction								
7th B main	1	248.00	2.40	0.05	29.76			
7th B cross	1	190.00	2.10	0.05	19.95			
12th B main	1	153.00	2.00	0.05	15.30			
4th B cross	1	165.00	3.00	0.05	24.75			
8th B main	1	70.00	2.70	0.05	9.45			
cross road	1	73.00	2.50	0.05	9.13			
6th B main	1	250.00	2.00	0.05	25.00			
Indira canteen road	1	412.00	2.50	0.05	51.50			
13th B main	1	422.00	2.20	0.05	46.42			
11th B cross	1	144.00	2.25	0.05	16.20			
					420.08	Cum	7903.22	3319946.07
13	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501. (P.No.161 & I.No.21.2)							
	Basic rate	3.00						
	11% AD-HOC	0.33						
	Sub Total-1	3.33						
	6% AW	0.20						
	Sub Total-2	3.53						
	7th B main	1	248.00	6.50	1612.00			
	7th B cross	1	190.00	6.40	1216.00			
	12th B main	1	153.00	4.80	734.40			
	4th B cross	1	165.00	6.20	1023.00			
	8th B main	1	70.00	4.25	297.50			
	cross road	1	73.00	4.30	313.90			
	6th B main	1	250.00	6.20	1550.00			
	Indira canteen road	1	412.00	7.70	3172.40			
	13th B main	1	422.00	5.00	2110.00			
	11th B cross	1	144.00	6.20	892.80			
					12922.00	Sqm	3.53	45,612.08
14	KSRRB 500-7:Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)							
	Basic rate	11.00						

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
11% AD-HOC	1.21							
Sub Total-1	12.21							
6% AW	0.73							
Sub Total-2	12.94							
7th B main	1	248.00	6.20		1537.60			
7th B cross	1	190.00	6.10		1159.00			
12th B main	1	153.00	4.80		734.40			
4th B cross	1	165.00	6.20		1023.00			
8th B main	1	70.00	4.25		297.50			
cross road	1	73.00	4.30		313.90			
6th B main	1	250.00	6.00		1500.00			
Indira canteen road	1	412.00	7.50		3090.00			
13th B main	1	422.00	5.00		2110.00			
11th B cross	1	144.00	6.20		892.80			
					12658.20	Sqm	12.94	163830.02
KSRRB M500- 15. Providing, laying bituminous Concrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)								
Basic rate	7659.00							
11% AD-HOC	842.49							
Sub Total-1	8501.49							
6% AW	510.09							
Sub Total-2	9011.58							
7th B main	1	248.00	6.20	0.04	61.50			
7th B cross	1	190.00	6.10	0.04	46.36			
12th B main	1	153.00	4.80	0.04	29.38			
4th B cross	1	165.00	6.20	0.04	40.92			
8th B main	1	70.00	4.25	0.04	11.90			
cross road	1	73.00	4.30	0.04	12.56			
6th B main	1	250.00	6.00	0.04	60.00			
Indira canteen road	1	412.00	7.50	0.04	123.60			
13th B main	1	422.00	5.00	0.04	84.40			
11th B cross	1	144.00	6.20	0.04	35.71			
					506.33	Cum	9011.58	4562814.97
16 Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (P.No-25, I No-5.30)								
Basic rate	313.00							
11% AD-HOC	34.43							
Sub Total-1	347.43							
6% AW	20.85							
Sub Total-2	368.28							
	2	75.00			150.00			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
7th B cross	2	76.00			152.00			
12th B main	2	60.00			120.00			
4th B cross	2	75.00			150.00			
6th B main	2	85.00			170.00			
B = A/0.45				A	742.00			
				B	1649.00	Nos	368.28	607286.79
KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-183, I No-24.1)								
Basic rate	60.00							
11% AD-HOC	6.60							
Sub Total-1	66.60							
6% AW	4.00							
Sub Total-2	70.60							
7th B main	2	248.00	0.35		173.60			
7th B cross	2	190.00	0.35		133.00			
12th B main	2	153.00	0.35		107.10			
4th B cross	2	165.00	0.35		115.50			
6th B main	2	250.00	0.35		175.00			
					704.20	Sqm	70.60	49,713.70
18 KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)								
Basic rate	512.00							
11% AD-HOC	56.32							
Sub Total-1	568.32							
6% AW	34.10							
Sub Total-2	602.42							
7th B main	2	248.00	0.10		49.60			
7th B cross	2	190.00	0.10		38.00			
12th B main	2	153.00	0.10		30.60			
4th B cross	2	165.00	0.10		33.00			
8th B main	2	70.00	0.10		14.00			
cross road	2	73.00	0.10		14.60			
6th B main	2	250.00	0.10		50.00			
Indira canteen road	2	412.00	0.10		82.40			
13th B main	2	422.00	0.10		84.40			
11th B cross	2	144.00	0.10		28.80			
					425.40	Sqm	602.42	256269.13
19 KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications.(P.No-189,I No-24.41)								
Basic rate	339.00							
11% AD-HOC	37.29							
Sub Total-1	376.29							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
6% AW	22.58							
Sub Total-2	398.87							
		2177.00			4354.00			
At 6.00m interval					725.67	Nos	398.87	289444.78
							Total Construction Cost	14774582.95
							DPR & PMC Charges	225400.00
							Sub Total	14999982.95
							Utility Shifting, Miscellaneous, Rounding off	17.05
							GRAND TOTAL	15000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates.

Assistant Engineer

Asst. Executive Engineer,

Executive Engineer, 7/2/18
Yelahanka Division,
BBMP Bangalore

Administrative Approval

Accorded For .....
Head of A/C.....
CER NO :..... Dt:..

E.E. (Project)

Technical Sanction

Accorded For 150.00 lakhs only
Head of A/C P-2415
CER NO :...641..... Dt:08/02/18

TA : CE (YNK)

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Improvements to roads and drains at Someshwara nagara in ward No. 04

					Estimate Cost Rs.			150.00 Lakhs
Description of Items	**No**	**Length**	**Width**	**Depth**	**Quantity**	**Unit**	**Rate**	**Amount**
moving & Refixing Stone Slabs of drains and Pointing in C.M(1:3). (Page No 25., I.No.5.33 of KPWD R 2016-17)								
sic rate	76.00							
.% AD-HOC	8.36							
ub Total-1	84.36							
% AW	5.06							
ub Total-2	89.42							
op slab								
Main road	2	303.00	1.00		606.00			
ross rd - 1, upto temple	2	400.00	1.00		800.00			
nd main road	2	160.00	1.00		320.00			
nd mn rd, 2nd cross rd	2	110.00	1.00		220.00			
th A cross rd	2	28.00	1.00		56.00			
5th A cross rd L shape	2	222.00	1.00		444.00			
3rd B main	2	156.00	1.00		312.00			
2nd B cross	2	60.00	1.00		120.00			
2nd A cross	2	185.00	1.00		370.00			
3rd A cross	2	165.00	1.00		330.00			
1st A cross	2	112.00	1.00		224.00			
3rd A main	2	177.00	1.00		354.00			
cross road	2	182.00	1.00		364.00			
1st cross CBS	2	150.00	1.00		300.00			
2nd cross CBS	2	100.00	1.00		200.00			
Main road CBS	2	140.00	1.00		280.00			
Dr. Raj Road	2	92.00	1.00		184.00			
Drain slab								
Main road	2	303.00	1.65		999.90			
cross rd - 1, upto temple	2	400.00	1.65		1320.00			
2nd main road	2	160.00	1.65		528.00			
2nd mn rd, 2nd cross rd	2	110.00	1.65		363.00			
4th A cross rd	2	28.00	1.65		92.40			
5th A cross rd L shape	2	222.00	1.65		732.60			
3rd B main	2	156.00	1.65		514.80			
2nd B cross	2	60.00	1.65		198.00			
2nd A cross	2	185.00	1.65		610.50			
3rd A cross	2	165.00	1.65		544.50			
1st A cross	2	112.00	1.65		369.60			
3rd A main	2	177.00	1.65		584.10			
cross road	2	182.00	1.65		600.60			
Total Qty					**12942.00**			
					3882.60			
Consider 30% of total Qty					**3882.60**	**Sqm**	**89.42**	**347188.30**

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
viding precast slab of 100 mm thick including cost of all materials, labour, ing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data e								
sic rate	2100.00							
% of Total qty of Item no - of precast slab					324.80			
					324.80	**Sqm**	**2100.00**	**682080.00**
oviding granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including ing curing etc., complete. 7.5cm thick (Page No 25., I.No.5.31.1 of KPWD S.R 2016-17).								
asic rate	628.00							
1% AD-HOC	69.08							
ub Total-1	697.08							
% AW	41.82							
ub Total-2	738.90							
onsider 15% of Total qty of tem no -1					1941.30			
					1941.30	**Sqm**	**738.90**	**1434435.89**
SRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal hrow upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).								
Basic rate	82.00							
11% AD-HOC	9.02							
Sub Total-1	91.02							
6% AW	5.46							
Sub Total-2	96.48							
10km ld & lt, transport	100.00							
Sub Total-3	196.48							
Main road	2	303.00	0.55	0.50	166.65			
cross rd - 1, upto temple	2	400.00	0.55	0.50	220.00			
2nd main road	2	160.00	0.55	0.50	88.00			
2nd mn rd, 2nd cross rd	2	110.00	0.55	0.50	60.50			
4th A cross rd	2	28.00	0.55	0.50	15.40			
5th A cross rd L shape	2	222.00	0.55	0.50	122.10			
3rd B main	2	156.00	0.55	0.50	85.80			
2nd B cross	2	60.00	0.55	0.45	29.70			
2nd A cross	2	185.00	0.50	0.45	83.25			
3rd A cross	2	165.00	0.50	0.45	74.25			
1st A cross	2	112.00	0.50	0.45	50.40			
3rd A main	2	177.00	0.50	0.45	79.65			
cross road	2	182.00	0.55	0.45	90.09			
UGD Cut portion								
Main road	1	303.00	1.00	0.40	121.20			
cross rd - 1, upto temple	1	400.00	1.00	0.40	160.00			
2nd main road	1	160.00	1.00	0.40	64.00			
2nd mn rd, 2nd cross rd	1	110.00	1.00	0.40	44.00			
4th A cross rd	1	28.00	1.00	0.40	11.20			
5th A cross rd L shape	1	222.00	1.00	0.40	88.80			
3rd B main	1	156.00	1.00	0.40	62.40			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
d B cross	1	60.00	1.00	0.40	24.00			
d A cross	1	185.00	1.00	0.40	74.00			
d A cross	1	165.00	1.00	0.40	66.00			
t A cross	1	112.00	1.00	0.40	44.80			
d A main	1	177.00	1.00	0.40	70.80			
oss road	1	182.00	1.00	0.40	72.80			
id reaches	15	12.00	5.50	0.40	396.00			
lvert	5	8.00	1.50	1.20	72.00			
					2537.79	**Cum**	**196.48**	**498628.02**
SRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 20kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine ggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well ompacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing omplete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17								
asic rate	5046.00							
1% AD-HOC	555.06							
ub Total-1	5601.06							
% AW	336.06							
ub Total-2	5937.12							
culvert	5	8.00	1.50	0.15	9.00			
					9.00	**Cum**	**5937.12**	**53,434.11**
KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.23/I.5.9)/ PWD SR 2016-17								
Basic rate	5005.00							
11% AD-HOC	550.55							
Sub Total-1	5555.55							
6% AW	333.33							
Sub Total-2	5888.88							
culvert	10	8.00	0.45	0.70	25.20			
					25.20	**Cum**	**5888.88**	**148399.85**
KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates at 0.78cum and fine aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.6 of PW, P&IWTD SR 2016-17)								
Basic rate	5441.00							
11% AD-HOC	598.51							
Sub Total-1	6039.51							
6% AW	362.37							
Sub Total-2	6401.88							
culvert	10	8.00	0.45	0.10	3.60			
					3.60	**Cum**	**6401.88**	**23,046.77**
8 Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- (Data rate)								
Basic rate	5111.00							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	7	8.00	1.50		84.00			
					84.00	**Sqm**	**5111.00**	**429324.00**
RRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone gregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed aterial to work site, spreading in uniform layers with motor grader on prepared surface and mpacting with vibratory power roller to achieve the desired density, complete as per specifications. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material age No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
asic rate	1571.00							
1% AD-HOC	172.81							
ub Total-1	1743.81							
% AW	104.63							
ub Total-2	1848.44							
JGD Cut portion								
Main road	1	303.00	1.00	0.15	45.45			
cross rd - 1, upto temple	1	400.00	1.00	0.15	60.00			
2nd main road	1	160.00	1.00	0.15	24.00			
2nd mn rd, 2nd cross rd	1	110.00	1.00	0.15	16.50			
4th A cross rd	1	28.00	1.00	0.15	4.20			
5th A cross rd L shape	1	222.00	1.00	0.15	33.30			
3rd B main	1	156.00	1.00	0.15	23.40			
2nd B cross	1	60.00	1.00	0.15	9.00			
2nd A cross	1	185.00	1.00	0.15	27.75			
3rd A cross	1	165.00	1.00	0.15	24.75			
1st A cross	1	112.00	1.00	0.15	16.80			
3rd A main	1	177.00	1.00	0.15	26.55			
cross road	1	182.00	1.00	0.15	27.30			
Bad reaches	15	12.00	5.50	0.15	148.50			
					487.50	**Cum**	**1848.44**	**901113.82**
KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)								
Basic rate	1668.00							
11% AD-HOC	183.48							
Sub Total-1	1851.48							
6% AW	111.09							
Sub Total-2	1962.57							
UGD Cut portion								
Main road	1	303.00	1.00	0.225	68.18			
cross rd - 1, upto temple	1	400.00	1.00	0.225	90.00			
2nd main road	1	160.00	1.00	0.225	36.00			
2nd mn rd, 2nd cross rd	1	110.00	1.00	0.225	24.75			
4th A cross rd	1	28.00	1.00	0.225	6.30			
5th A cross rd L shape	1	222.00	1.00	0.225	49.95			
3rd B main	1	156.00	1.00	0.225	35.10			
2nd B cross	1	60.00	1.00	0.225	13.50			
2nd A cross	1	185.00	1.00	0.225	41.63			